Index to Volume XXVIII, 1965

ABD EL NABY, S., and HASSANEIN, M.: Neuropsychiatric manifestations of chronic manganese poisoning, 282
Acoustic tumours, facial nerve preservation by posterior fossa transmeatal microdissection in total removal of, 311
ADAMS, C. W. M. *See* IBRAHIM, M. Z. M., MORGAN, R. S., and ADAMS, C.W.M.
ADAMS, R. D. *See* APPENZELLER, O., ARNASON, B. G., and ADAMS, R. D.
Alcoholic Gasserian injection, precise, for tic douloureux, 65
— patients, finger tremor in, 529
AMELI, N. O.: Aneurysms of the middle meningeal artery, 175
Amygdala, connexions of, 137
Amylobarbitone sodium and chlordiazepoxide therapies in anxiety states, comparative bioassay of, using physiological and clinical measures, 414
— — therapy, physiological and clinical effects of, in anxiety states, 78
ANDREW, J., and NATHAN, P.: Sphincteric disturbances in diencephalic lesions, 463
Aneurysms, basiliar-vertebral, 460
—, carotid, internal, effects of carotid ligation on size of, 383
—, intracranial, assessment of treatment of, 459
— of anterior communicating artery, anatomical pathways related to clinical findings in, 228
— of middle meningeal artery, 175
—, supracallosal anterior cerebral, 459
Antibody response to central and peripheral nerve antigens in rat and guinea-pig, 179
Anxiety states, comparative bioassay of chlordiazepoxide and amylobarbitone sodium therapies in, using physiological and clinical measures, 414
— —, physiological and clinical effects of amylobarbitone sodium therapy in, 78
APPENZELLER, O., ARNASON, B. G., and ADAMS, R. D.: Experimental autonomic neuropathy: an immunologically induced disorder of reflex vasomotor function, 510
Arachnoidal cyst, supratentorial, associated with hydrocephalus, 438
ARNASON, B. G. *See* APPENZELLER, O., ARNASON, B. G., and ADAMS, R.D.
ARONSON, H., SHAFEY, S., and GARGANO, F.: Intracerebellar haematoma, 442
Arterial carbon dioxide tension, effect of alterations in, on blood flow through cerebral cortex, 449
Arteriovenous malformations in brain, possibility of surgery in, 183
Ataxia and myoclonus, occurring in family, 272
—, homolateral, and crural paresis: a vascular syndrome, 48
ATKINSON, W. J. *See* SEARS, R., WILKES, R., and ATKINSON, W. J.
Autoantibodies after thymectomy in patient later developing myasthenia gravis, 429
Autonomic neuropathy, experimental: immunologically induced disorder of reflex vasomotor function, 510
Axon reflexes in human motor nerve fibres, 1

BABUAIKOVA, O. *See* MUNGYEROVE, G., JACZ, K., KUZMA, I., BABUAIKOVA, O., and KALAFUT, F.
BAKER, R. W. R., SANDERS, H., THOMPSON, R. H. S., and ZILKHA, K. J.: Serum cholesterol linoleate levels in multiple sclerosis, 212
Ballismus, involuntary movements following stereotactic operations for Parkinsonism with special reference to, 291
BARNES, J. E. *See* MUNSAT, T. L., and BARNES, J. E.
BARWICK, D. D., OSSELTON, J. W., and WALTON, J. N.: Electroencephalographic studies in hereditary myopathy, 109
Basiliar-vertebral aneurysms, 460
BECHAR, M., BORNSTEIN, B., ELIAN, M., and SANDBANK, U.: Phenylketonuria presenting an intermittent course, 165
BETETA, E., SCHEINBERG, P., REINMUTH, O. M., SHAFEY, S., and SHIMOJYO, S.: Simultaneous bilateral cerebral blood flow and metabolism with arteriographic correlation in unilateral brain infarction or haemorrhage, 335
Blackout, post-concussive, peculiar type of, 344
Blood groups in multiple sclerosis, 218
BOND, P. R. *See* GERSTL, B., MALAMUD, N., HAYMAN, R. B., and BOND, P. R.
BOND, W. H., RICHARDS, D., and TURNER, E.: Experiences with radioactive gold in the treatment of craniopharyngioma, 30
Book reviews:
Abraham, G.: *Psychodynamique Essentielle: Normale et Pathologique*, 1964, 571
Actualités Neurophysiologiques, Série V, 1964, 567
Aita, J. A.: *Neurologic Manifestations of General Diseases*, 187
Albrecht, H.: *Stauungspapille bei nicht tumorösen Hirnprozessen (Sammlung zwangloser Abhandlungen aus dem Gebiete der Psychiatrie und Neurologie*, Heft 26), 1964, 289
Alpers, B.: *Clinical Neurology*, 5th ed., 1963, 89
Baeyer, W. Ritter von: *Psychiatrie der Verfolgten*, 1964, 571
Bargmann, W., and Schadé, J. P., eds.: *Topics in Basic Neurology*, 1964, 188
Barker, C. E.: *Psychology's Impact on the Christian Faith*, 1964, 382
Binswanger, L.: *Being-in-the-World*, 1963, 38
Blackwood, W., *et al.*: *Atlas of Neuropathology*, 1964, 569
Bosselman, B. C.: *Neurosis and Psychosis*, 1964, 290
Brain, Lord: *Doctors Past and Present*, 1964, 189
Brazier, M. A., ed.: *Brain Function*, 1964, 464
Brown, C. C.: *Instrumentation with Semiconductors*, 1964, 468
Caplan, G.: *Principles of Preventive Psychiatry*, 1964, 290
Chusid, J. G., and McDonald, J. J.: *Correlative Neuroanatomy and Functional Neurology*, 12th ed., 1964, 188
Ciba Foundation: *Symposium on Disorders of Language*, 1964, 289
Clinical Neurosurgery, Vol. 10, *Proceedings of the Congress of Neurological Surgeons* (1962), 1964, 466
Cohen, M. M., and Snider, R. S., eds.: *Morphological and Biochemical Correlates of Neural Activity*, 1964, 188
Cordier, J.: *Contribution à l'Étude de l'Épidemiologie de la Débilité Mentale*, 1963, 382
Critchley, M.: *Developmental Dyslexia*, 1964, 88
Current Achievements in Geriatrics, 1964, 190
Ellis, H., and McLarty, M.: *Anatomy for Anaesthetists*, 1963, 90
Feibleman, J. K.: *Mankind Behaving*, 1963, 382
Fox, M. W.: *Canine Behaviour*, 1964, 572
Garton, M. D.: *Teaching the Educable Mentally Retarded*, 2nd ed., 1964, 468
Geschickter, C. F., and Cannon, A.: *Color Atlas of Pathology*, Vol. III, *Central Nervous System*, 1964, 189
Gordon, D : *Ultrasound as a Diagnostic and Surgical Tool*, 1964, 468
Gray, J. A., ed.: *Pavlov's Typology*, 1964, 568
Gruhle, H. W., *et al.*, eds.: *Psychiatrie der Gegenwart*, Bd. I, Teil I: *Grundlagenforschung zur Psychiatrie*, Bandteil B, 1964, 571
Gurdjian, E. S.: *Operative Neurosurgery*, 2nd ed., 1964, 465
Gutmann, E., and Hnik, P., eds.: *The Effect of Use and Disuse on Neuromuscular Functions*, 1963, 567
Hagemann, P.: *Erweiterungen des Spinalraumes (Sammlung zwangloser Abhandlungen aus dem Gebiete der Psychiatrie und Neurologie*, Heft 25), 1963, 90
Hanfmann, E., *et al.*: *Psychological Counseling in a Small College*, 1963, 392
Hess, W. R : *The Biology of Mind*, 1964, 467
Hodgkin, A. L.: *The Conduction of the Nervous Impulse*, 1964, 464
Hooper, R. S.: *Neurosurgical Nursing*, 1964, 466
Huber, P.: *Zerebrale Angiographie beim frischen Schadel-Hirn-Trauma*, 1964, 466
Isaacson, R. L., ed.: *Basic Readings in Neuropsychology*, 1964, 289
Jacobs, E. M., and Denault, P. M.: *Neurology for Nurses*, 1964, 572
Jennett, W. B.: *An Introduction to Neurosurgery*, 1964, 289
Kernohan, J. W., and Uihlein, A.: *Sarcomas of the Brain*, 1962, 89
Kienle, G.: *Notfalltherapie neurologischer und psychiatrischer Erkrankungen*, 1964, 570
Kranz, H., and Heinrich, K., eds.: *Begleitwirkungen und Mißerfolge der psychiatrischen Pharmakotherapie*, 1964, 570
Krevelen, D. A. van, ed.: *Child Psychiatry and Prevention*, 1964, 468
Lehoczky, T., *et al.*: *Animal Experiments on the Aetiology of Myelopathy*, 1964, 572
Lowenthal, A.: *Agar Gel Electrophoresis in Neurology*, 1964, 569
Marinesco, G.: *Oeuvres Choisies*, II, 1963, 568

Michaelis, L. S.: *Orthopaedic Surgery of the Limbs in Paraplegia*, 1964, 289
Monrad-Krohn, G. H.: *The Clinical Examination of the Nervous System*, 12th ed., 1964, 187
Neurologie der Wirbelsäule und des Rückenmarkes im Kindesalter, Heft 27, ed. by D. Muller, 1964, 468
Neuro-Psychopharmacology, vol. 3, ed. by P. B. Bradley, *et al.*, 1964, 467
Panse, F.: *Das psychiatrische Krankenhauswesen: Entwicklung, Stand, Reichweite und Zukunft*, 1964, 570
Pavlov, I. P.: *Lectures on Conditioned Reflexes*, 1964, 190
Peiper, A., ed.: *Cerebral Function in Infancy and Childhood*, 1964, 468
Potter, J.: *The Practical Management of Head Injuries*, 1964, 466
Progress in Brain Research, vol. 5, *Lectures on the Diencephalon*, 467
Progress in Brain Research, vol. 13, *Mechanisms of Neural Regeneration*, 1964, 569
Progress in Neurology and Psychiatry, vol. XIX, 1964, 571
Quinn, J. L., ed.: *Scintillation Scanning in Clinical Medicine*, 1964, 569
Reuter, J. P.: *Psychotherapie bei Hirnversehrten*, 1964, 571
Richter, D., ed.: *Comparative Neurochemistry*, 1964, 466
Robertis, E. de: *Histophysiology of Synapses and Neurosecretion*, 1964, 465
Rokhlin, L. L., ed.: *Problems of Psychopharmacology*, 1965, 572
Rose, A. S., and Pearson, C. M., eds.: *Mechanisms of Demyelination*, 1963, 188
Schaltenbrand, G., and Woolsey, C. N., eds.: *Principles of Cerebral Localization and Organization*, 1964, 188
Schneider, H.: *Über den Autismus*, 1964, 571
Scientific Basis of Medicine: Annual Reviews (1964), 1964, 467
Sim, M.: *Guide to Psychiatry*, 1963, 88
Stallworthy, K. R.: *A Manual of Psychiatry*, 6th ed., 1963, 88
Stewart, W. S.: *The Divided Self: The Healing of a Nervous Disorder*, 1964, 382
Strong and Elwyn's Human Neuroanatomy, 5th ed., edited by R. C. Truex and M. B. Carpenter, 1964, 572
Taylor, I. G.: *The Neurological Mechanisms of Hearing and Speech in Children*, 1964, 570
Tönnis, W., and Friedmann, G.: *Das Röntgenbild des Schadels bei intrakranieller Drucksteirung im Wachstumsalter*, 1964, 190
Tomkins, S. S.: *Affect of Imagery Consciousness*, vol. 1, *The Positive Affects*, 1963, 88
Tourtellotte, W. W., Haerer, A. F., Heller, G. L., and Somers, J. E.: *Post-Lumbar Puncture Headaches*, 1964, 189
Villiger, E.: *Die periphere Innervation*, 12th ed., 1964, 188
Walker, A. E. and Jablon, S.: *A Follow-up of Head Wounds in World War II*, 1961, 89
Walsh, E. G.: *Physiology of the Nervous System*, 2nd ed., 1964, 567
Walsh, J. J.: *Understanding Paraplegia*, 1964, 570
Walshe, F.: *Further Critical Studies in Neurology and Other Essays and Addresses*, 1965, 567
Walton, J. N., ed.: *Disorders of Voluntary Muscle*, 1964, 464
Wepman, J. M., and Heine, R. W., eds.: *Concepts of Personality*, 1964, 290
Willis, J.: *Lecture Notes on Psychiatry*, 1964, 571
Young, J. Z.: *A Model of the Brain*, 1964, 568
Zacks, S. I.: *The Motor Endplate*, 1964, 187
Books received:
Brucher, J. M.: *L'Aire Oculogyre Frontale du Singe*, 1964, 90
David, H. P., ed.: *Population and Mental Health*, 1964, 90
Delgado, H.: *Curso de Psiquiatria*, 1963, 90
Dunker, K.: *Zur Psychologie des produktinen Denkens*, 1963, 90
Epps, R. L., and Hanes, L. D.: *Day Care of Psychiatric Patients*, 1964, 90
French, T. M., and Fromm, E. E.: *Dream Interpretation*, 1964, 90
Fuster, J., *et al.*: *El Oligofrenico Adulto, como Problema Humano, Psiquiatrico y Social*, 1963, 90
Howarth, M. R.: *Child Psychotherapy*, 1964, 90
Knight, J. A., and Davis, W. E.: *Manual for the Comprehensive Community Mental Health Clinic*, 1964, 90
Laubenthal, F.: *Sucht und Missbrauch*, 1964, 90
Marinesco, G.: *Oeuvres Choisies*, II, 1963, 90
Markwalder, H.: *Die Olfaktorius-Meningeome*, 1964, 90
Ojemann, R. H., ed.: *Recent Research on Creative Approaches to Environmental Stress*, 1964, 90
Renfrew, S.: *An Introduction to Diagnostic Neurology*, vol. 3, *Exercises*, 1964, 90
Schultz, J. H.: *Lebensbilderbuch eines Nervenarztes*, 1964, 90
Strel'chuk, I. V., ed.: *Studies of Higher Nervous Activity in Neuropsychiatric Disorders*, 1964, 90
Weber, E. W., ed.: *Health and the School Child*, 1964, 90
Whittington, H. G.: *Psychiatry on the College Campus*, 1964, 90
Zippel, R.: *Grippe, Ohr und Hirn*, 1964, 90
BORNSTEIN, B. *See* BECHAR, M., BORNSTEIN, B., ELIAN, M., and SANDBANK, U.
BRACK, R. A. *See* POSKANZER, D. C., SCHAPIRA, K., BRACK, R. A., and MILLER, H.
Brain, arteriovenous malformations in, possibility of surgery in, 183
—, proteins of, polyacrylamide disc electrophoresis of, 56
— tumours, malignant, in tissue culture, 185
BROWNELL, B., and OPPENHEIMER, D. R.: An ataxic form of subacute presenile polioencephalopathy (Creutzfeldt-Jakob disease), 350
BURROWS, E. H., and MARSHALL, J.: Angiographic investigation of patients with transient ischaemic attacks, 533

CAMPBELL, A. M. G. *See* DICK, G., MCALISTER, J. J., MCKEOWN, F., and CAMPBELL, A. M. G.
CANELAS, H. M., MARQUES DE ASSIS, L., and DE JORGE, F. B.: Disorders of magnesium metabolism in epilepsy, 378
Carbon dioxide tension, arterial, effect of alterations in, on blood flow through cerebral cortex, 449
Carcinoma, metastatic, evaluation of surgical treatment for spinal cord compression due to, 152
—, squamous cell, developing in intracranial epidermoid cyst, 276
CARMAN, J. B., COWAN, W. M., POWELL, T. P. S., and WEBSTER, K. E.: A bilateral cortico-striate projection, 71
Carotid aneurysms, internal, effects of carotid ligation on size of, 383
CARRIE, J. R. G.: Finger tremor in alcoholic patients, 529
CARSON, J.: Neurological manifestations of thoracic intervertebral discs, 460
CASPARY, E. A.: Comparison of immunological specificity of gamma globulin in the cerebrospinal fluid in normal and multiple sclerosis subjects, 61
—, and FIELD, E. J.: Antibody response to central and peripheral nerve antigens in rat and guinea-pig, 179
CAVANAGH, J. B., and MELLICK, R. S.: On the nature of the peripheral nerve lesions associated with acute intermittent porphyria, 320
Cerebellar tumours, cystic, 461
Cerebral blood flow and metabolism, simultaneous bilateral, with arteriographic correlation in unilateral brain infarction or haemorrhage, 335
— cortex, blood flow through, effect of alterations in arterial carbon dioxide tension on, 449
— oedema, experimental, histochemistry of neuroglia and myelin in, 91
— tumour presenting with hyperventilation, 317
Cerebrospinal fluid, comparison of immunological specificity of gamma globulin in, in normal and multiple sclerosis subjects, 61
— —, isolation and partial characterization of 'trace' proteins and immunoglobulin G from, 552
— —, proteins of, polyacrylamide disc electrophoresis of, 56
Cerebrovascular Diseases, Symposium on Diagnosis and Semiology of, 90
CHANDOR, S. B., FORNO, L. S., and WIVEL, N. A.: Progressive multifocal leucoencephalopathy, 260
Chlordiazepoxide and amylobarbitone sodium therapies in anxiety states, comparative bioassay of, using physiological and clinical measures, 414
Cholesteatoma, squamous cell carcinoma developing in, 276
Cholesterol linoleate levels, serum, in multiple sclerosis, 212
Chromosomal pattern in multiple sclerosis, 218
Circle of Willis, haemodynamics of, and leptomeningeal anastomoses, in monkey, 124
Circulatory arrest, total, in treatment of intracranial vascular anomalies, 183
COLE, M. *See* FISHER, C. M., and COLE, M.
Colloid cysts of third ventricle, 461
Combustion processes, disturbances of, in muscular disorders, 19
Communicating artery, anterior, aneurysms of, anatomical pathways related to clinical findings in, 228
Conference on Medical Diagnostic Application of Ultrasound, 1st American, 190
Congress of Neurological Surgeons, 90
COOTE, J. H. *See* PROUT, B. J., COOTE, J. H., and DOWNMAN, C. B. B.
Cord, dorsal, cysticercosis of, 445
Cortico-striate projection, bilateral, 71
COWAN, W. M., RAISMAN, G., and POWELL, T. P. S.: The connexions of the amygdala, 137

COWAN, W. M. *See also* CARMAN, J. B., COWAN, W. M., POWELL, T. P. S., and WEBSTER, K. E.
Cranial nerve dysfunction, multiple, relation of, to Guillain-Barré syndrome, 115
Craniopharyngioma, radioactive gold in treatment of, 30
Creutzfeldt-Jakob disease, 350
Crural paresis and homolateral ataxia: a vascular syndrome, 48
Cryogenic lesions in stereotactic surgery, 184
CUMINGS, J. N. *See* MONSEU, G., and CUMINGS, J. N.
Cyanide metabolism and vitamin B_{12} in multiple sclerosis, 426
Cyst, supratentorial arachnoidal, associated with hydrocephalus, 438
Cystic cerebellar tumours, 461
Cysticercosis of dorsal cord, 445
Cysts, colloid, of third ventricle, 461

Danish Society for the History of Medicine: International Symposium on Nicolaus Steno, 290
DAROFF, R. B., and WALDMAN, A. L.: Ocular bobbing, 375
DE GAIL, P. *See* LANCE, J. W., and DE GAIL, P.
DE JORGE, F. B. *See* CANELAS, H. M., MARQUES DE ASSIS, L., and DE JORGE, F. B.
DEMYER, W.: Aberrant peripheral nerve fibres in the medulla oblongata of man, 121
Denervation and reinnervation, experimental, changes in enzyme histochemistry of skeletal muscle during, 99
—, effect of, on resting membrane potential of healthy and dystrophic muscle, 525
DETRE, T. *See* GOFF, G. D., ROSNER, B. S., DETRE, T., and KENNARD, D.
DIAMANTOPOULOS, E., and GASSEL, M. M.: Electrically induced monosynaptic reflexes in man, 496
DICK, G., MCALISTER, J. J., MCKEOWN F., and CAMPBELL, A. M. G.: Multiple sclerosis and scrapie, 560
Diencephalic lesions, sphincteric disturbances in, 463
DOLLERY, C. T., MAILER, C. M., and HODGE, J. V.: Studies by fluorescence photography of papilloedema in malignant hypertension, 241
Dorsal cord, cysticercosis of, 445
DOWNMAN, C. B. B. *See* PROUT, B. J., COOTE, J. H., and DOWNMAN, C. B. B.
DUBOWITZ, V.: Enzyme histochemistry of skeletal muscle, I. Developing animal muscle, 516
—: — — — — —, II. Developing human muscle, 519
—, and PLATTS, M.: Central core disease of muscle with focal wasting, 432
Duchenne dystrophy, serum enzyme variations and histological abnormalities in carrier state in, 104
DURAN, C. G. *See* KERR, J. H., DURAN, C. G., THOMAS, H., and WRIGHT, R.

ECKER, A., and PERL, T.: Precise alcoholic Gasserian injection for tic douloureux, 65
EDWARDS, J. E. *See* PITNER, S. E., EDWARDS, J. E., and MCCORMICK, W. F.
Electroencephalographic studies in hereditary myopathy, 109
Electrophoresis, polyacrylamide disc, of proteins of cerebrospinal fluid and brain, 56
ELIAN, M. *See* BECHAR, M., BORNSTEIN, B., ELIAN, M., and SANDBANK, U.
Enzyme histochemistry of skeletal muscle, 516, 519
— — — — —, changes in, during experimental denervation and reinnervation, 99
Epidermoid cyst, intracranial, squamous cell carcinoma developing in, 276
Epilepsy, disorders of magnesium metabolism in, 378

Facial nerve preservation by posterior fossa transmeatal microdissection in total removal of acoustic tumours, 311
FALCONER, M. A.: Some impressions of Soviet neurosurgery, 462
FIELD, E. J. *See* CASPARY, E. A., and FIELD, E. J.
Finger tremor in alcoholic patients, 529
FISHER, C. M., and COLE, M.: Homolateral ataxia and crural paresis: a vascular syndrome, 48
FORNO, L. S. *See* CHANDOR, S. B., FORNO, L. S., and WIVEL, N. A.
FORSTER, D. M. C.: Cystic cerebellar tumours, 462
FOX, H., and SOUTH, E. A.: Squamous cell carcinoma developing in an intracranial epidermoid cyst (cholesteatoma), 276
FULLERTON, P. M., and GILLIATT, R. W.: Axon reflexes in human motor nerve fibres, 1
FUSILLO, M. G. *See* OSLER, L. D., and FUSILLO, M. G.

Gamma globulin in cerebrospinal fluid, comparison of immunological specificity of, in normal and multiple sclerosis subjects, 61
GARDNER, W. J.: Hydrodynamic mechanism of syringomyelia: its relationship to myelocele, 247
GARGANO, F. *See* ARONSON, H., SHAFEY, S., and GARGANO, F.
GASSEL, M. M. *See* DIAMANTOPOULOS, E., and GASSEL, M. M.
Gasserian injection, alcoholic, precise, for tic douloureux, 65
Genetic linkage in multiple sclerosis, 218
GERSTL, B., MALAMUD, N., HAYMAN, R. B., and BOND, P. R.: Morphological and neurochemical study of Pelizaeus-Merzbacher disease, 540
GIBBS, J. R.: Effects of carotid ligation on the size of internal carotid aneurysms, 383
GILLIATT, R. W., MELVILLE, I. D., VELATE, A. S., and WILLISON, R. G.: A study of normal nerve action potentials using an averaging technique (barrier grid storage tube), 191
—. *See also* FULLERTON, P. M., and GILLIATT, R. W.
GLASS, H. I. *See* HARPER, A. M., and GLASS, H. I.
Gliomas, pedunculated, in lateral ventricle, 548
Globulin, gamma, in cerebrospinal fluid, comparison of immunological specificity of, in normal and multiple sclerosis subjects, 61
GODDARD, M. D., and REID, J. D.: Movements induced by straight leg raising in the lumbo-sacral roots, nerves and plexus, and in the intrapelvic section of the sciatic nerve, 12
GODWIN-AUSTEN, R. B.: A case of visual disorientation, 453
GOFF, G. D., ROSNER, B. S., DETRE, T., and KENNARD, D.: Vibration perception in normal man and medical patients, 503
Gold, radioactive, in treatment of craniopharyngioma, 30
GORDON, A., and MALONEY, A. F. J.: A case of metastasizing meningioma, 159
GRIMBY, L.: Pathological plantar response, I. Flexor and extensor components in early and late reflex parts, 469
—: — — —, II. Loss of significance of stimulus site, 476
GRUSZKIEWICZ, J., and PEYSER, E.: Supratentorial arachnoidal cyst associated with hydrocephalus, 438
Guillain-Barré syndrome, relation of multiple cranial nerve dysfunction to, 115
GUTHKELCH, A. N.: A modern view of the management of spina bifida cystica, 185
GUTIERREZ-MAHONEY, C. G. DE: Palencephalography, 460

H wave, studies in man and cat of significance of, 201
Haematoma, intracerebellar, 442
Haemophilia, head injury and, 184
Hand muscles, intrinsic, central responses to electrical activation of peripheral nerves supplying, 482
HANDA, J. *See* ISHIKAWA, S., HANDA, J., MEYER, J. S., and HUBER, P.
HANKINSON, J.: Cryogenic lesions in stereotactic surgery, 184
HARDMAN, J.: An assessment of the treatment of intracranial aneurysms, 459
HARPER, A. M., and GLASS, H. I.: Effect of alterations in the arterial carbon dioxide tension on the blood flow through the cerebral cortex at normal and low arterial blood pressures, 449
HASSANEIN, M. *See* ABD EL NABY, S., and HASSANEIN, M.
HAWKINS, T. D., and MARTIN, L.: Incidence of hyperostosis frontalis interna in patients at a general hospital and at a mental hospital, 171
HAYMAN, R. B. *See* GERSTL, B., MALAMUD, N., HAYMAN, R. B., and BOND, P. R.
Head injury and haemophilia, 184
Hemi-chorea, involuntary movements following stereotactic operations for Parkinsonism, with special reference to, 291
HESKETH, K. T.: Cysticercosis of the dorsal cord, 445
HODGE, J. V. *See* DOLLERY, C. T., MAILER, C. M., and HODGE, J. V.
HUBER, P. *See* ISHIKAWA, S., HANDA, J., MEYER, J. S., and HUBER, P.
HUGHES, B.: Involuntary movements following stereotactic operations for Parkinsonism with special reference to hemi-chorea (ballismus), 291
Hydrocephalus, supratentorial arachnoidal cyst associated with, 438
—, use of isotopes in, 186
Hyperostosis frontalis interna, incidence of, at general hospital and at mental hospital, 171
Hypertension, malignant, studies by fluorescence photography of papilloedema in, 241
Hyperventilation, cerebral tumour presenting with, 317

IBRAHIM, M. Z. M., MORGAN, R. S., and ADAMS, C. W. M.: Histochemistry of the neuroglia and myelin in experimental cerebral oedema, 91
Immunoglobulin G from cerebrospinal fluid, isolation and partial characterization of, 552

International Neurochemical Conference, 290
Intervertebral discs, thoracic, neurological manifestations of, 460
Intracerebellar haematoma, 442
Intracranial aneurysms, assessment of treatment of, 459
— arterial occlusion, electromagnetic flowmeter study of, in monkey, 124
— epidermoid cyst, squamous cell carcinoma developing in, 276
— vascular anomalies, total circulatory arrest in treatment of, 183
Intraventricular therapy, sedative, 461
Ischaemic attacks, transient, angiographic investigation of patients with, 533
ISHIKAWA, S., HANDA, J., MEYER, J. S., and HUBER, P.: Haemodynamics of the circle of Willis and the leptomeningeal anastomoses: an electromagnetic flowmeter study of intracranial arterial occlusion in the monkey, 124
Isotopes, use of, in hydrocephalus, 186

JACOBS, H.: Myoclonus and ataxia occurring in a family, 272
JACZ, K. *See* MUNGYEROVE, G., JACZ, K., KUZMA, I., BABUAIKOVA, O., and KALAFUT, F.
JOYNT, R. J., and PERRET, G. E.: Familial meningiomas, 163

KALAFUT, F. *See* MUNGYEROVE, G., JACZ, K., KUZMA, I., BABUAIKOVA, O., and KALAFUT, F.
KENNARD, D. *See* GOFF, G. D., ROSNER, B. S., DETRE, T., and KENNARD, D.
KEPES, J. J., REECE, C. A., and OXLEY, D. K.: Central pontine myelinolysis in a 7-year-old boy, 39
KERR, J. H., DURAN, C. G., THOMAS, H., and WRIGHT, R.: Autoantibodies found after thymectomy in a patient later developing myasthenia gravis, 429
KINSBOURNE, M., and WARRINGTON, E. K.: A case showing selectively impaired oral spelling, 563
KNIGHT, G.: Stereotactic tractotomy in the surgical treatment of mental illness, 304
KUNC, Z.: Possibility of surgery in arteriovenous malformations in the anatomically important and dangerous regions of the brain, 183
KUNICKI, A.: Pedunculated gliomas in the lateral ventricle, 548
KURZE, T. L. *See* RAND, R. W., and KURZE, T. L.
KUZMA, I. *See* MUNGYEROVE, G., JACZ, K., KUZMA, I., BABUAIKOVA, O., and KALAFUT, F.
Kyphoscoliosis with paraplegia, operative treatment of, 185

LADER, M. H., and WING, L.: Comparative bioassay of chlordiazepoxide and amylobarbitone sodium therapies in patients with anxiety states using physiological and clinical measures, 414
—. *See also* WING, L., and LADER, M. H.
LANCE, J. W., and DE GAIL, P.: Spread of phasic muscle reflexes in normal and spastic subjects, 328
LANGE, L. S., and LASZLO, G.: Cerebral tumour presenting with hyperventilation, 317
Laryngeal spasm, Parkinsonism associated with, 401
LASZLO, G. *See* LANGE, L. S., and LASZLO, G.
Leg raising, straight, movements induced by, in lumbo-sacral roots, nerves and plexus, and in intrapelvic section of sciatic nerve, 12
LENMAN, J. A. R.: Effect of denervation on the resting membrane potential of healthy and dystrophic muscle, 525
Leptomeningeal anastomoses, haemodynamics of circle of Willis and, in monkey, 124
Leucoencephalopathy, progressive multifocal, 260
LEWIN, E. *See* STEPHENS, J., and LEWIN, E.
LINK, H.: Isolation and partial characterization of 'trace' proteins and immunoglobulin G from cerebrospinal fluid, 552
LORD, O. C. *See* VAS, C. J., PARSONAGE, M., and LORD, O. C.
Lumbar root and sheath lesions, lower, 463
Lumbo-sacral roots, nerves and plexus, movements induced by straight leg raising in, 12

MCALISTER, J. J. *See* DICK, G., MCALISTER, J. J., MCKEOWN, F., and CAMPBELL, A. M. G.
MCCORMICK, W. F. *See* PITNER, S. E., EDWARDS, J. E., and MCCORMICK, W. F.
MCKEOWN, F. *See* DICK, G., MCALISTER, J. J., MCKEOWN, F., and CAMPBELL, A. M. G.
MCKISSOCK, W.: Colloid cysts of the third ventricle, 461
Magnesium metabolism, disorders of, in epilepsy, 378
MAILER, C. M. *See* DOLLERY, C. T., MAILER, C. M., and HODGE, J. V.
MALAMUD, N. *See* GERSTL, B., MALAMUD, N., HAYMAN, R. B., and BOND, P. R.
MALONEY, A. F. J. *See* GORDON, A., and MALONEY, A. F. J.
Manganese poisoning, chronic, neuropsychiatric manifestations of, 282
MARQUES DE ASSIS, L. *See* CANELAS, H. M., MARQUES, DE ASSIS, L., and DE JORGE, F. B.
MARSHALL, J. *See* BURROWS, E. H., and MARSHALL, J.
MARTIN, J. P.: Curvature of the spine in post-encephalitic Parkinsonism, 395
MARTIN, L. *See* HAWKINS, T. D., and MARTIN, L.
MATTHEWS, D. M., WILSON, J., and ZILKHA, K. J.: Cyanide metabolism and vitamin B_{12} in multiple sclerosis, 426
MATTHEWS, W. B.: Sarcoidosis of the nervous system, 23
MAWDSLEY, C. *See* MAYER, R. F., and MAWDSLEY, C.
MAYER, R. F., and MAWDSLEY, C.: Studies in man and cat of the significance of the H wave, 201
Medulla oblongata, aberrant peripheral nerve fibres in, 121
MELLICK, R. S. *See* CAVANAGH, J. B., and MELLICK, R. S.
MELVILLE, I. D. *See* GILLIATT, R. W., MELVILLE, I. D., VELATE, A. S., and WILLISON, R. G.
Meningeal artery, middle, aneurysms of, 175
Meningioma, metastasizing, case of, 159
Meningiomas, familial, 163
Mental illness, stereotactic tractotomy in surgical treatment of, 304
MEYER, J. S. *See* ISHIKAWA, S., HANDA, J., MEYER, J. S., and HUBER, P.
MILLER, H. *See* POSKANZER, D. C., SCHAPIRA, K., BRACK, R. A., and MILLER, H.
Moebius syndrome, pathology of, 362
Monosynaptic reflexes, electrically induced, 496
MONSEU, G., and CUMINGS, J. N.: Polyacrylamide disc electrophoresis of the proteins of cerebrospinal fluid and brain, 56
MORGAN, R. S. *See* IBRAHIM, M. Z. M., MORGAN, R. S., and ADAMS, C. W. M.
Motor nerve fibres, axon reflexes in, 1
Movements, involuntary, following stereotactic operations for Parkinsonism with special reference to hemi-chorea, 291
MUNGYEROVE, G., JACZ, K., KUZMA, I., BABUAIKOVA, O., and KALAFUT, F.: Experiences with malignant brain tumours in tissue culture, 185
MUNSAT, T. L., and BARNES, J. E.: Relation of multiple cranial nerve dysfunction to the Guillain-Barré syndrome, 115
Muscle, central core disease of, with focal wasting, 432
—, healthy and dystrophic, effect of denervation on resting membrane potential of, 525
— reflexes, phasic, spread of, in normal and spastic subjects, 328
—, skeletal, enzyme histochemistry of, 516, 519
—, —, — — —, changes in, during experimental denervation and reinnervation, 99
Muscles, hand, intrinsic, central responses to electrical activation of peripheral nerves supplying, 482
Muscular disorders, disturbances of combustion processes in, 19
Myasthenia gravis, autoantibodies after thymectomy in patient later developing, 429
Myelin, histochemistry of, in experimental cerebral oedema, 91
Myelinolysis, central pontine, in 7-year-old boy, 39
Myelocele, hydrodynamic mechanism of syringomyelia: relationship to, 247
Myoclonus and ataxia occurring in family, 272
Myopathy, hereditary, electroencephalographic studies in, 109

Names, use of, development and breakdown of: effects of word frequency, 407
NATHAN, P. *See* ANDREW, J., and NATHAN, P.
Nerve action potentials, normal, study of, using averaging technique (barrier grid storage tube), 191
— antigens, central and peripheral, antibody response to, in rat and guinea-pig, 179
— fibres, peripheral, aberrant, in medulla oblongata, 121
— lesions, peripheral, associated with acute intermittent porphyria, nature of, 320
Nerves, peripheral, supplying intrinsic hand muscles, central responses to electrical activation of, 482
Nervous system, sarcoidosis of 23
Neurochemical Conference, International, 290
Neuroglia, histochemistry of, in experimental cerebral oedema, 91
Neurological Surgeons, Congress of, 90
Neuropsychiatric manifestations of chronic manganese poisoning, 282
Neurosurgery, Soviet, 462
NIEBRÓJ-DOBOSZ, I.: Disturbances of the combustion processes in muscular disorders, 19

OBRADOR, S.: Sedative intraventricular therapy, **461**
Ocular bobbing, **375**
OPPENHEIMER, D. R. *See* BROWNELL, B., and OPPENHEIMER, D. R.
OSLER, L. D., and FUSILLO, M. G.: A peculiar type of post-concussive 'blackout', **344**
OSSELTON, J. W. *See* BARWICK, D. D., OSSELTON, J. W., and WALTON, J. N.
OXLEY, D. K. *See* KEPES, J. J., REECE, C. A., and OXLEY, D. K.

Palencephalography, **460**
Papilloedema in malignant hypertension, studies by fluorescence photography of, **241**
Paraplegia, operative treatment of kyphoscoliosis with, **185**
Paresis, crural, homolateral ataxia and: a vascular syndrome, **48**
Parkinsonism associated with laryngeal spasm, **401**
—, clinical trial with beta-receptor antagonist (propranolol) in, **404**
—, involuntary movements following stereotactic operations for, with special reference to hemi-chorea, **291**
—, post-encephalitic, curvature of spine in, **395**
PARSONAGE, M. *See* VAS, C. J., PARSONAGE, M., and LORD, O. C.
Pelizaeus-Merzbacher disease, morphological and neurochemical study of, **540**
PERL, T. *See* ECKER, A., and PERL, T.
PERRET, G. E. *See* JOYNT, R. J., and PERRET, G. E.
PETR, R.: Operative treatment of kyphoscoliosis with paraplegia, **185**
PEYSER, E. *See* GRUSZKIEWICZ, J., and PEYSER, E.
Phenylketonuria presenting intermittent progressive course, **165**
PITNER, S. E., EDWARDS, J. E., and MCCORMICK, W. F.: Observations on the pathology of the Moebius syndrome, **362**
Plantar response, pathological, **469**, **476**
PLATTS, M. *See* DUBOWITZ, V., and PLATTS, M.
Polioencephalopathy, subacute presenile, ataxic form of (Creutzfeldt-Jakob disease), **350**
Polyacrylamide disc electrophoresis of proteins of cerebrospinal fluid and brain, **56**
Pontine myelinolysis, central, in 7-year-old boy, **39**
Porphyria, acute intermittent, nature of peripheral nerve lesions associated with, **320**
POSKANZER, D. C., SCHAPIRA, K., BRACK, R. A., and MILLER, H.: Studies of blood groups, genetic linkage, trait association, and chromosomal pattern in multiple sclerosis, **218**
POTTER, J. M.: Head injury and haemophilia, **184**
POWELL, T. P. S. *See* CARMAN, J. B., COWAN, W. M., POWELL, T. P. S., and WEBSTER, K. E.
—. *See* COWAN, W. M., RAISMAN, G., and POWELL, T. P. S.
Propranolol, clinical trial with, in Parkinsonism, **404**
Proteins of cerebrospinal fluid and brain, polyacrylamide disc electrophoresis of, **56**
—, 'trace', from cerebrospinal fluid, isolation and partial characterization of, **552**
PROUT, B. J., COOTE, J. H., and DOWNMAN, C. B. B.: Independence of central controls of vascular and sweat gland responses in the paw of the cat, **223**

RAISMAN, G. *See* COWAN, W. M., RAISMAN, G., and POWELL, T. P. S.
RAND, R. W., and KURZE, T. L.: Facial nerve preservation by posterior fossa transmeatal microdissection in total removal of acoustic tumours, **311**
REECE, C. A. *See* KEPES, J. J., REECE, C. A., and OXLEY, D. K.
Reflexes, monosynaptic, electrically induced, **496**
—, muscle, phasic, spread of, in normal and spastic subjects, **328**
REID, J. D. *See* GODDARD, M. D., and REID, J. D.
REINMUTH, O. M. *See* BETETA, E., SCHEINBERG, P., REINMUTH, O. M., SHAFEY, S., and SHIMOJYO, S.
RICHARDS, D. *See* BOND, W. H., RICHARDS, D., and TURNER, E.
RICHARDSON, A.: Basiliar-vertebral aneurysms, **460**
ROCHFORD, G., and WILLIAMS, M.: Studies in the development and breakdown of the use of names. Part IV. The effects of word frequency, **407**
ROSNER, B. S. *See* GOFF, G. D., ROSNER, B. S., DETRE, T., and KENNARD, D.

Sacral root and sheath lesions, **463**
SANDBANK, U. *See* BECHAR, M., BORNSTEIN, B., ELIAN, M., and SANDBANK, U.
SANDERS, H. *See* BAKER, R. W. R., SANDERS, H., THOMPSON, R. H. S., and ZILKHA, K. J.
Sarcoidosis of nervous system, **23**
Scandinavian Neurosurgical Society, **190**
SCHAPIRA, K. *See* POSKANZER, D. C., SCHAPIRA, K., BRACK, R. A., and MILLER, H.
SCHEINBERG, P. *See* BETETA, E., SCHEINBERG, P., REINMUTH, O. M., SHAFEY, S., and SHIMOJYO, S.
SCHURR, P.: Lower lumbar and sacral root and sheath lesions, **463**
Sciatic nerve, movements induced by straight leg raising in intrapelvic section of, **12**
Sclerosis, multiple, and scrapie, **560**
—, —, blood groups, genetic linkage, trait association, and chromosomal pattern in, **218**
—, —, cyanide metabolism and vitamin B_{12} in, **426**
—, —, immunological specificity of gamma globulin in cerebrospinal fluid in, **61**
—, —, serum cholesterol linoleate levels in, **212**
Scrapie, multiple sclerosis and, **560**
SEARS, R., WILKES, R., and ATKINSON, W. J.: Study of the use of isotopes in hydrocephalus, **186**
Sedative intraventricular therapy, **461**
Serum cholesterol linoleate levels in multiple sclerosis, **212**
— enzyme variations and histological abnormalities in carrier state in Duchenne dystrophy, **104**
SHAFEY, S. *See* ARONSON, H., SHAFEY, S., and GARGAND, F.
—. *See* BETETA, E., SCHEINBERG, P., REINMUTH, O. M., SHAFEY, S., and SHIMOJYO, S.
SHENKIN, H. A. *See* TATSUMI, T., and SHENKIN, H. A.
SHIMOJYO, S. *See* BETETA, E., SCHEINBERG, P., REINMUTH, O. M., SHAFEY, S., and SHIMOJYO, S.
Skeletal muscle, enzyme histochemistry of, **516**, **519**
— —, — — —, changes in, during experimental denervation and reinnervation, **99**
SMALL, J. M.: Total circulatory arrest in the treatment of intracranial vascular anomalies, **183**
SMITH, B.: Changes in the enzyme histochemistry of skeletal muscle during experimental denervation and reinnervation, **99**
SMITH, R.: An evaluation of surgical treatment for spinal cord compression due to metastatic carcinoma, **152**
Societas Medicorum Bohemoslovenica J. E. Purkyne, *Neurosurgical Section:* Joint Meeting with S.B.N.S., **183**
Society of British Neurological Surgeons: 70th Meeting, **183**
— — — — —: 71st Meeting, **459**
SOUTH, E. A. *See* FOX, H., and SOUTH, E. A.
Soviet neurosurgery, **462**
SPANOS, N. C.: Supracallosal anterior cerebral aneurysms, **459**
Spastic subjects, spread of phasic muscle reflexes in, **328**
Spelling, oral, selectively impaired, case showing, **563**
Sphincteric disturbances in diencephalic lesions, **463**
Spina bifida cystica, management of, **185**
Spinal cord compression due to metastatic carcinoma, evaluation of surgical treatment for, **152**
Spine, curvature of, in post-encephalitic Parkinsonism, **395**
Squamous cell carcinoma developing in intracranial epidermoid cyst, **276**
Steno, Nicolaus, International Symposium on, **290**
STEPHENS, J., and LEWIN, E.: Serum enzyme variations and histological abnormalities in the carrier state in Duchenne dystrophy, **104**
Stereotactic operations for Parkinsonism, involuntary movements following, with special reference to hemi-chorea, **291**
— surgery, cryogenic lesions in, **184**
— tractotomy in surgical treatment of mental illness, **304**
STRANG, R. R.: Clinical trial with a beta-receptor antagonist (propranolol) in Parkinsonism, **404**
Supracallosal anterior cerebral aneurysms, **459**
Supratentorial arachnoidal cyst associated with hydrocephalus, **438**
Sweat gland responses in paw of cat, independence of central controls of, **223**
Syringomyelia, hydrodynamic mechanism of: relationship to myelocele, **247**

TAREN, J. A.: Anatomical pathways related to the clinical findings in aneurysms of the anterior communicating artery, **228**
TATSUMI, T., and SHENKIN, H. A.: Occlusion of the vertebral artery, **235**
THOMAS, H. *See* KERR, J. H., DURAN, C. G., THOMAS, H., and WRIGHT, R.
THOMPSON, R. H. S. *See* BAKER, R. W. R., SANDERS, H., THOMPSON, R. H. S., and ZILKHA, K. J.
Thoracic intervertebral discs, neurological manifestations of, **460**
THORNE, J.: Central responses to electrical activation of the peripheral nerves supplying the intrinsic hand muscles, **482**
Thymectomy, autoantibodies after, in patient later developing myasthenia gravis, **429**
Tic douloureux, precise alcoholic Gasserian injection for, **65**

Trait association in multiple sclerosis, **218**
Tumour, cerebral, presenting with hyperventilation, **317**
Tumours, acoustic, facial nerve preservation by posterior fossa transmeatal microdissection in total removal of, **311**
—, brain, malignant, in tissue culture, **185**
—, cerebellar, cystic, **461**
TURNER, E. *See* BOND, W. H., RICHARDS, D., and TURNER, E.

Ultrasound, 1st American Conference on Medical Diagnostic Application of, **190**

VAS, C. J., PARSONAGE, M., and LORD, O. C.: Parkinsonism associated with laryngeal spasm, **401**
Vascular and sweat gland responses in paw of cat, independence of central controls of, **223**
Vasomotor function, reflex, immunologically induced disorder of, **510**
VELATE, A. S. *See* GILLIATT, R. W., MELVILLE, I. D., VELATE, A. S., and WILLISON, R. G.
Ventricle, lateral, pedunculated gliomas in, **548**
—, third, colloid cysts of, **461**
Vertebral artery, occlusion of, **235**
Vibration perception in normal man and medical patients, **503**
Visual disorientation, case of, **453**
Vitamin B_{12} and cyanide metabolism in multiple sclerosis, **426**

WALDMAN, A. L. *See* DAROFF, R. B., and WALDMAN, A. L.
WALTON, J. N. *See* BARWICK, D. D., OSSELTON, J. W., and WALTON, J. N.
WARRINGTON, E. K. *See* KINSBOURNE, M., and WARRINGTON, E. K.
WEBSTER, K. E. *See* CARMAN, J. B., COWAN, W. M., POWELL, T. P. S., and WEBSTER, K. E.
WILKES, R. *See* SEARS, R., WILKES, R., and ATKINSON, W. J.
WILLIAMS, M. *See* ROCHFORD, G., and WILLIAMS, M.
WILLISON, R. G. *See* GILLIATT, R. W., MELVILLE, I. D., VELATE, A. S., and WILLISON, R. G.
WILSON, J. *See* MATTHEWS, D. M., WILSON, J., and ZILKHA, K. J.
WING, L., and LADER, M. H.: Physiological and clinical effects of amylobarbitone sodium therapy in patients with anxiety states, **78**
—. *See also* LADER, M. H., and WING, L.
WIVEL, N. A. *See* CHANDOR, S. B., FORNO, L. S., and WIVEL, N. A.
WOLMAN, L.: Cystic cerebellar tumours, **461**
Word frequency, effects of: in development and breakdown of use of names, **407**
WRIGHT, R. *See* KERR, J. H., DURAN, C. G., THOMAS, H., and WRIGHT, R.

ZILKHA, K. J. *See* BAKER, R. W. R., SANDERS, H., THOMPSON, R. H. S., and ZILKHA, K. J.
—. *See* MATTHEWS, D. M., WILSON, J., and ZILKHA, K. J.

JOURNAL OF NEUROLOGY NEUROSURGERY AND PSYCHIATRY

Edited by

W. RITCHIE RUSSELL

with the assistance of the following Editorial Committee:

J. A. V. BATES
C. J. EARL
R. W. GILLIATT
G. L. GRYSPEERDT
BRODIE HUGHES
A. A. JEFFERSON
W. S. LEWIN
SIR AUBREY LEWIS
WYLIE MCKISSOCK
W. H. MCMENEMEY
JOHN MARSHALL
R. M. NORMAN
R. C. OLDFIELD
R. T. C. PRATT
CHARLES G. PHILLIPS
M. PIERCY
G. J. ROMANES
MICHAEL SHEPHERD
JOHN A. SIMPSON
J. D. SPILLANE
SABINA J. STRICH
R. H. S. THOMPSON
J. M. WALSHE
C. W. M. WHITTY

Editor of the *British Medical Journal*

Volume XXVIII
New Series
1965

LONDON · BRITISH MEDICAL ASSOCIATION · TAVISTOCK SQUARE W.C.1

Contents

No. 1 FEBRUARY 1965

	Page
Axon reflexes in human motor nerve fibres PAMELA M. FULLERTON and R. W. GILLIATT	1
Movements induced by straight leg raising in the lumbo-sacral roots, nerves and plexus, and in the intrapelvic section of the sciatic nerve M. D. GODDARD and J. D. REID	12
Disturbances of the combustion processes in muscular disorders IRENA NIEBRÓJ-DOBOSZ	19
Sarcoidosis of the nervous system W. B. MATTHEWS	23
Experiences with radioactive gold in the treatment of craniopharyngioma WILLIAM H. BOND, DAVID RICHARDS, and ERIC TURNER	30
Central pontine myelinolysis in a 7-year-old boy JOHN J. KEPES, CAROL ANN REECE, and DWIGHT K. OXLEY	39
Homolateral ataxia and crural paresis: A vascular syndrome C. M. FISHER and MONROE COLE	48
Polyacrylamide disc electrophoresis of the proteins of cerebrospinal fluid and brain GUY MONSEU and J. N. CUMINGS	56
Comparison of immunological specificity of gamma globulin in the cerebrospinal fluid in normal and multiple sclerosis subjects E. A. CASPARY	61
Precise alcoholic Gasserian injection for tic douloureux ARTHUR ECKER and THEODORE PERL	65
A bilateral cortico-striate projection J. B. CARMAN, W. M. COWAN, T. P. S. POWELL, and K. E. WEBSTER	71
Physiological and clinical effects of amylobarbitone sodium therapy in patients with anxiety states LORNA WING and M. H. LADER	78
Book reviews	88

No. 2 APRIL 1965

	Page
Histochemistry of the neuroglia and myelin in experimental cerebral oedema M. Z. M. IBRAHIM, R. S. MORGAN, and C. W. M. ADAMS	91
Changes in the enzyme histochemistry of skeletal muscle during experimental denervation and re-innervation BARBARA SMITH	99
Serum enzyme variations and histological abnormalities in the carrier state in Duchenne dystrophy JAMES STEPHENS and EDWARD LEWIN	104
Electroencephalographic studies in hereditary myopathy DAVID D. BARWICK, J. W. OSSELTON, and JOHN N. WALTON	109
Relation of multiple cranial nerve dysfunction to the Guillain-Barré syndrome THEODORE L. MUNSAT and JAMES E. BARNES	115
Aberrant peripheral nerve fibres in the medulla oblongata of man WILLIAM DEMYER	121
Haemodynamics of the circle of Willis and the leptomeningeal anastomoses: an electromagnetic flowmeter study of intracranial arterial occlusion in the monkey SUSUMU ISHIKAWA, JYOJI HANDA, JOHN S. MEYER, and PETER HUBER	124
The connexions of the amygdala W. M. COWAN, G. RAISMAN, and T. P. S. POWELL	137
An evaluation of surgical treatment for spinal cord compression due to metastatic carcinoma RODERICK SMITH	152
A case of metastasizing meningioma A. GORDON and A. F. J. MALONEY	159
Familial meningiomas ROBERT J. JOYNT and GEORGE E. PERRET	163
Phenylketonuria presenting an intermittent progressive course M. BECHAR, B. BORNSTEIN, M. ELIAN, and U. SANDBANK	165
Incidence of hyperostosis frontalis interna in patients at a general hospital and at a mental hospital T. D. HAWKINS and LAURENCE MARTIN	171
Aneurysms of the middle meningeal artery N. O. AMELI	175
Antibody response to central and peripheral nerve antigens in rat and guinea-pig E. A. CASPARY and E. J. FIELD	179
Proceedings of the Society of British Neurological Surgeons	183
Book reviews	187

Contents

No. 3 JUNE 1965

	Page
A study of normal nerve action potentials using an averaging technique (barrier grid storage tube) R. W. GILLIATT, I. D. MELVILLE, A. S. VELATE, and R. G. WILLISON	191
Studies in man and cat of the significance of the H wave R. F. MAYER and C. MAWDSLEY	201
Serum cholesterol linoleate levels in multiple sclerosis R. W. R. BAKER, HAZEL SANDERS, R. H. S. THOMPSON, and K. J. ZILKHA	212
Studies of blood groups, genetic linkage, trait association, and chromosomal pattern in multiple sclerosis DAVID C. POSKANZER, KURT SCHAPIRA, RONALD A. BRACK, and HENRY MILLER	218
Independence of central controls of vascular and sweat gland responses in the paw of the cat B. J. PROUT, J. H. COOTE, and C. B. B. DOWNMAN	223
Anatomical pathways related to the clinical findings in aneurysms of the anterior communicating artery JAMES ARTHUR TAREN	228
Occlusion of the vertebral artery TETSUO TATSUMI and HENRY A. SHENKIN	235
Studies by fluorescence photography of papilloedema in malignant hypertension C. T. DOLLERY, C. M. MAILER, and J. V. HODGE	241
Hydrodynamic mechanism of syringomyelia: its relationship to myelocele W. JAMES GARDNER	247
Progressive multifocal leucoencephalopathy S. B. CHANDOR, L. S. FORNO, and N. A. WIVEL	260
Myoclonus and ataxia occurring in a family HAROLD JACOBS	272
Squamous cell carcinoma developing in an intracranial epidermoid cyst (cholesteatoma) H. FOX and E. A. SOUTH	276
Neuropsychiatric manifestations of chronic manganese poisoning S. ABD EL NABY and M. HASSANEIN	282
Book reviews	289

No. 4 AUGUST 1965

	Page
Involuntary movements following stereotactic operations for Parkinsonism with special reference to hemi-chorea (ballismus) BRODIE HUGHES	291
Stereotactic tractotomy in the surgical treatment of mental illness GEOFFREY KNIGHT	304
Facial nerve preservation by posterior fossa transmeatal microdissection in total removal of acoustic tumours R. W. RAND and T. L. KURZE	311
Cerebral tumour presenting with hyperventilation L. S. LANGE and G. LASZLO	317
On the nature of the peripheral nerve lesions associated with acute intermittent porphyria J. B. CAVANAGH and R. S. MELLICK	320
Spread of phasic muscle reflexes in normal and spastic subjects J. W. LANCE and P. DE GAIL	328
Simultaneous bilateral cerebral blood flow and metabolism with arteriographic correlation in unilateral brain infarction or haemorrhage E. BETETA, P. SCHEINBERG, O. M. REINMUTH, S. SHAFEY, and S. SHIMOJYO	335
A peculiar type of post-concussive 'blackout' LEONARD D. OSLER and MICHAEL G. FUSILLO	344
An ataxic form of subacute presenile polioencephalopathy (Creutzfeldt-Jakob disease) BETTY BROWNELL and D. R. OPPENHEIMER	350
Observations on the pathology of the Moebius syndrome SAMUEL E. PITNER, JAMES, E. EDWARDS, and WILLIAM F. MCCORMICK	362
Ocular bobbing ROBERT B. DAROFF and ARTHUR L. WALDMAN	375
Disorders of magnesium metabolism in epilepsy HORACIO M. CANELAS, LUÍS MARQUES DE ASSIS, and FRANCISCO B. DE JORGE	378
Book reviews	382

No. 5 OCTOBER 1965

	Page
Effects of carotid ligation on the size of internal carotid aneurysms J. R. GIBBS	383
Curvature of the spine in post-encephalitic Parkinsonism J. PURDON MARTIN	395
Parkinsonism associated with laryngeal spasm C. J. VAS, MAURICE PARSONAGE, and OLIVER C. LORD	401
Clinical trial with a beta-receptor antagonist (propranolol) in Parkinsonism R. R. STRANG	404
Studies in the development and breakdown of the use of names. Part IV *The effects of word frequency* GERARD ROCHFORD and MOYRA WILLIAMS	407
Comparative bioassay of chlordiazepoxide and amylobarbitone sodium therapies in patients with anxiety states using physiological and clinical measures M. H. LADER and LORNA WING	414
Cyanide metabolism and vitamin B_{12} in multiple sclerosis D. M. MATTHEWS, J. WILSON, and K. J. ZILKHA	426
Autoantibodies found after thymectomy in a patient later developing myasthenia gravis JOHN H. KERR, CARLOS G. DURAN, HELEN THOMAS, and RALPH WRIGHT	429
Central core disease of muscle with focal wasting VICTOR DUBOWITZ and MARGARET PLATTS	432
Supratentorial arachnoidal cyst associated with hydrocephalus J. GRUSZKIEWICZ and E. PEYSER	438
Intracerebellar haematoma HUGH ARONSON, SHERIF SHAFEY, and FREDIE GARGANO	442
Cysticercosis of the dorsal cord K. T. HESKETH	445
Effect of alterations in the arterial carbon dioxide tension on the blood flow through the cerebral cortex at normal and low arterial blood pressures A. MURRAY HARPER, and H. I. GLASS	449
A case of visual disorientation R. B. GODWIN-AUSTEN	453
Proceedings of the 71st meeting of the Society of British Neurological Surgeons	459
Book reviews	464

No. 6 DECEMBER 1965

	Page
Pathological plantar response LENNART GRIMBY	
Part I *Flexor and extensor components in early and late reflex parts*	469
Part II *Loss of significance of stimulus site*	476
Central responses to electrical activation of the peripheral nerves supplying the intrinsic hand muscles JACK THORNE	482
Electrically induced monosynaptic reflexes in man E. DIAMANTOPOULOS and M. M. GASSEL	496
Vibration perception in normal man and medical patients GENEVIEVE D. GOFF, BURTON S. ROSNER, THOMAS DETRE, and DAVID KENNARD	503
Experimental autonomic neuropathy: An immunological induced disorder of reflex vasomotor function O APPENZELLER, B. G. ARNASON, and R. D. ADAMS	510
Enzyme histochemistry of skeletal muscle VICTOR DUBOWITZ	
Part I *Developing animal muscle*	516
Part II *Developing human muscle*	519
Effect of denervation on the resting membrane potential of healthy and dystrophic muscle J. A. R. LENMAN	525
Finger tremor in alcoholic patients J. R. G. CARRIE	529
Angiographic investigation of patients with transient ischaemic attacks EDMUND H. BURROWS and JOHN MARSHALL	533
Morphological and neurochemical study of Pelizaeus-Merzbacher disease B. GERSTL, N. MALAMUD, R. B. HAYMAN, and P. R. BOND	540
Pedunculated gliomas in the lateral ventricle A. KUNICKI	548
Isolation and partial characterization of 'trace' proteins and immunoglobulin G from cerebrospinal fluid HANS LINK	552
Multiple sclerosis and scrapie GEORGE DICK, JAMES J. MCALISTER, FLORENCE MCKEOWN, and A. M. G. CAMPBELL	560
A case showing selectively impaired oral spelling M. KINSBOURNE and ELIZABETH K. WARRINGTON	563
Book reviews	567